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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/913,213	01/29/2002	Panu Pietikainen	290.796USN	6793

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EXAMINER

SHAW, PELING ANDY

ART UNIT PAPER NUMBER

2144

DATE MAILED: 08/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/913,213

Applicant(s)

PIETIKAINEN, PANU

Examiner

Peling A. Shaw

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>01/08/2002</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The specification and claims are amended after ISR was issued. The amended claims are examined. Not all changes are marked, e.g. toward the end of item b in the amended claim 1. However, there is no new matter introduced. The amended claims are accepted.

Priority

2. This application is a 371 of PCT/FI00/00075 filed on 02/02/2000 with a priority FINLAND # 990265 on 02/10/1999. The filing date is 01/29/2002.

Specification

3. The amended specification including abstract is not marked. It should be marked. An examination was done on the amended specification including abstract. It does not bring up a new subject matter. It is thus accepted.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Coss et al. (US 6098172 A), hereinafter referred as Coss.

- a. Regarding claim 1, Coss disclosed a method for sending a message from a first computer system C1 that belongs to an internal network, which is protected by a firewall to at least one other computer system C2 through the firewall (Fig. 1, 5A and 5B; claim 17; column 6, line 47-61), comprising: a) sending from the first computer system to the firewall, a request with data for a new connection to be opened between the first computer system C1 and at least one other computer system C2 for a message to be sent between said computer systems C1, C2 (claim 17; column 6, line 47-61), b) the firewall controls the data for the new connection via which the message is intended to be sent and, up on approval of the connection by the firewall, sending from the firewall to the first computer system C1, information about the necessary modifications to be made in a message that is sent via the requested connection through the firewall, so that the message can pass through, the necessary modification including IP, protocol, TCP and/or port data (column 3-6, table; column 4, line 17-27; column 5, line 57-column 6, line 46; column 6, line 62-column 7, line 52; column 9, line 62-column 10, line 2); c) modifying, by the first computer system C1, the message to be sent in accordance with the information sent from the firewall (column 6, line 62-column 7, line 52), d) optionally, and before or after step c), sending from the first computer system to the firewall identification data of the connection for the message to be sent between said computer systems C1, C2 so that the connection for the message can be identified by the firewall and the message can pass the firewall (claim 17 and 18; column 2, line 18-28; column 8, line 3-67), e) sending the message from the first computer system C1 to the at least one other

computer system C2 through the firewall (Fig. 5A and 5B; claim 17; column 6, line 62-column 7, line 52)..

- b. Regarding claim 2, Coss disclosed the method according to claim 1 wherein the message to be sent between said computer systems C1, C2 is protected in step c) after it has been modified, whereby step d) is necessary and the data to be sent from the first computer system to the firewall includes the necessary information so that the connection for the message can be identified by the firewall (column 4, line 17-27; column 3-6, table; column 6, line 62-column 7, line 52).
- c. Regarding claim 3, Coss disclosed the method of claim 2 wherein the protection is made using the IP Sec system (column 3-6, table).
- d. Regarding claim 4, Coss disclosed the method according to claim 2 wherein the message to be sent is authenticated (column 3-6, table; column 1, line 43-49; column 8; line 46-50).
- e. Regarding claim 5, Coss disclosed the method according to claim 2 wherein the message to be sent is encrypted in step c) (claim 18; column 4, line 17-27; column 3-6, table; column 6, line 62-column 7, line 52).
- f. Regarding claim 6, Coss disclosed the method according to claim 1 wherein the information message in point a) contains data of the new connection to be opened between the first computer system C1 and at least one other computer system C2 in form of address identification data and possible other parameters (Fig. 5A and 5B; column 6, line 62-column 7, line 52).

- g. Regarding claim 7, Coss disclosed the method according to claim 6 wherein the possible other parameters are data about the port and the protocol used for sending (column 3-6, table; column 5, line 57-column 6, line 46; column 9, line 62-column 10, line 2).
- h. Regarding claim 8, Coss disclosed the method according to claim 1 wherein in step b) the modifications include address identification data and/or the port and or the protocol used for sending (column 3-6, table; column 4, line 17-27; column 9, line 62-column 10, line 2).
- i. Regarding claim 9, Coss disclosed the method according to claim 1 wherein the message is using the TCP/IP protocol (column 3-6, table; column 5, line 57-column 6, line 46).
- j. Regarding claim 10, Coss disclosed the method according to claim 1 wherein the message is sent via internet (claim 17; column 6, line 62-column 7, line 52).

Coss disclosed all limitations of claims 1-10. Claims 1-10 are rejected under 35 U.S.C.

102(e).

Remarks

5. The following pertaining arts are discovered and not used in this office action. Office reserves the right to use these arts in later actions.

- a. Shwed et al. (US 5835726 A) System for securing the flow of and selectively modifying packets in a computer network
- b. Reid et al. (US 6182226 B1) System and method for controlling interactions between networks
- c. Ylonen et al. (US 6438612 B1) Method and arrangement for secure tunneling of data between virtual routers
- d. R. Atkinson, NRL, RFC-1825 "Security Architecture for the Internet Protocol", August 1995
- e. R. Atkinson, NRL, RFC-1826 "IP Authentication Header", August 1995
- f. R. Atkinson, NRL, RFC-1827 IP Encapsulating Security Payload (ESP)", August 1995

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Conclusion


6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to the enclosed PTO-892 for details.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peling A. Shaw whose telephone number is (571) 272-7968. The examiner can normally be reached on M-F 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

pas


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